

ABSTRACT

The invention relates to a component with a substrate region as an oxidation protective or anti-oxidation layer, especially a component of a gas turbine, with a substrate surface and a substrate composition of the component, and with a substrate region formed in the region of the substrate surface of the component by in-diffusion of at least one metal. According to the invention, the component comprises a substrate composition on a nickel basis with an aluminum proportion of greater than 4.5 weight %, whereby exclusively at least one metal of the platinum group is diffused into the substrate surface of the component for the formation of the substrate region.